

IN THE ABSTRACT OF THE DISCLOSURE:

Please delete the present Abstract of the Disclosure and replace it with the following new Abstract of the Disclosure:

A high-pressure discharge lamp lighting apparatus including a DC power source, an inverter, and a resonator is presented. The apparatus also includes an inverter controller for controlling the inverter according to its variable frequency oscillation function by selectively impressing a first frequency in a stable operation window free from causing acoustic resonance in the high-pressure discharge lamp, and a second frequency higher than the first frequency to the inverter, a lamp wattage detector, and a time ratio controller for controlling a time ratio of an operation time at the first frequency and an operation time at the second frequency so that the inverter outputs are alternately impressed to the high-pressure discharge lamp at an adequate time at the first frequency and the second frequency. The time ratio is based on a lamp voltage of the discharge lamp detected in the steady lighting state using the lamp wattage detector.